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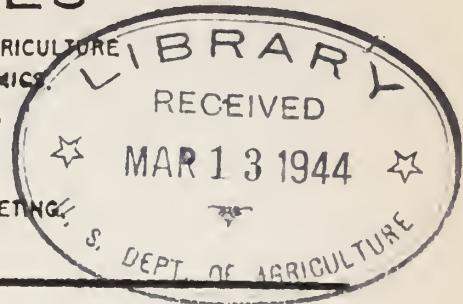
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Welcome

# COTTON LITERATURE

## SELECTED REFERENCES

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COMPILED BY EMILY L. DAY, LIBRARY SPECIALIST IN COTTON MARKETING,  
BUREAU OF AGRICULTURAL ECONOMICS, WASHINGTON, D. C.



Vol. 5

April, 1935

No. 4

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COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

## COTTON LITERATURE

Vol. 5

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### PRODUCTION

#### General

Empire cotton growing corporation. A review of the work of the experiment stations, season 1933-34, by J.C. Willis. 33pp., illus. [London, England] 1935.

Contents: Plant breeding, pp.5-21; Improvement of agricultural practices, pp.22-30; Pests and diseases, pp.31-37.

India. Central Provinces. Department of agriculture. Report on the 1.Agricultural College, Nagpur; 2. Chemical, botanical, mycological and entomological research; 3.Agricultural engineer's section; 4. Maharajbagh menagerie together with the external work of the veterinary inspector attached to the Agricultural College, Nagpur, for the year ending the 31st March 1934. 49pp., tables. Nagpur, Govt. Print. C.P., 1934.

Partial contents: Availability of soluble phosphatic fertilizers in typical rice and cotton soils of the Central Provinces, pp.15-16; Mineral analysis of the clay fractions from some typical soils of Central Provinces, p.16; Effect of varying concentrations of sodium chloride and sodium carbonate on the growth of cotton in black cotton soil, by D.V.Bal, pp.16-17.- Report of the economic botanist upon the work done in connection with cotton and its rotation crops during the year, 1933-34, by D.N.Mahata, pp.25-32.- Annual report of the mycological section for the year ending the 31st March 1934. Cotton, p.33.

Knight,R.L. The effect of shade on American cotton. Empire Jour.of Expt.Agr.3(9): 31-40, tables,charts. Jan.1935. (Published by Humphrey Milford, Oxford University Press, Amen House, Warwick Square, London, E.C.4, England)

References: p.39.

"The experiments were designed as a preliminary investigation to determine, by means of artificial shades, the effect of continual clouds on American cotton... Shading with cotton cloth reduced the production of buds, flowers, and bolls, and also the shedding of these and of leaves. The incidence of blackarm was lessened. Yield was reduced by nearly two-thirds. Plant-height was increased and also the height of the first sympodium, and the

lint produced was longer. Post-incidence (boll-worm, aphid, and jassid) was increased."

### Botany

Ayyar, V.R., and Sankaran, R. Petalody in cotton. Indian Jour. Agr. Sci. 4: 938-942, illus. Dec. 1934. (Published by Imperial Council of Agricultural Research, Delhi, India)  
References: p. 942.

Feng, C.F. Genetical and cytological study of species hybrids of Asiatic and American cottons. Bot. Gaz. 96: 485-504, illus. Mar. 1935. (Published by University of Chicago Press, Chicago, Ill.)

Literature cited: pp. 503-504.

Harrison, G.J., and Fulton, H.J. Storage of cotton pollen. Jour. Agr. Research [U.S.] 49(10): 891-896, illus., table. Nov. 15, 1934. (Published by the United States Department of Agriculture, Washington, D.C.)

Bibliographical foot-notes.

"Preliminary tests in 1932 having indicated the feasibility of storing cotton pollen under refrigeration, two experiments were performed in 1933, the results of which are described in this paper." The experiments were conducted at United States Field Station, Sacaton, Arizona.

Kesava Iyengar, N. The occurrence of a type of female sterility in cotton. Madras Agr. Jour. 22(4): 152-153, illus. Apr. 1934. (Published by M.A.S. Union, Agricultural College and Research Institute, Coimbatore, S. India)

References: p. 152.

"In a Herbaccum strain, No. 1281, certain plants were observed which, though healthy, vigorous, without any malformations of the vegetative parts and producing many flowers, developed no bolls. The flowers as a rule never opened. Though the stamens were normal the staminal column was stunted, with a large number of free filaments; the pollen was normal and there was no anther sterility, but the normal club-shaped stigma standing out from the staminal column was absent and dissection showed that the ovary was present but the style was much shortened with a thin flattened stigma at the top.-C".-Textile Inst. Jour. 26(1): A2. Jan. 1935. (Through Plant Breeding Abs. 5: 5. 1934)

Sampaio, A.F.de. Systematica dos algodoeiros. Algodao 2(1): 7-9, illus. Jan.1935. (Published at Cx. Postal 1321, Rio de Janeiro, Brazil)  
Cotton systematized.  
Botanical classification of cotton species.

Tsivinskii, V.I. Drought resistance and the early maturity of cotton. 102pp., illus., tables. Moskva [etc.] 1934.  
In Russian.  
Bibliography: pp.100-102.

### Agronomy

Alabama experiment station. Grades of fertilizers for corn and cotton. A progress report. Ala. Expt. Sta. Circ. 70, 12pp., tables. Auburn. 1935.

Baltazar, E.P., and Espinueva, G.D. The effect of different methods of planting on Batangas white cotton. Philippine Agr. 23(9): 750-778. Feb.1935. (Published by College of Agriculture, University of the Philippines, Los Banos, Laguna, P.I.)

Butler, Eugene. Cotton outlook for East Texas. East Tex. 9(5): 5,20, illus. Feb.1935. (Published by the East Texas Chamber of Commerce, Adolphus Hotel Bldg., Dallas, Tex.)

The author discusses methods by which this section can improve cotton culture and lower costs of production.

La cultura delle piante tessili in Romania. Bollettino della Cotoniera 30(1): 8-9. Jan.1935. (Published at Via Borgonuovo, 11, Milan, Italy)  
The cultivation of textile plants in Rumania. Cotton is mentioned.

Dados para a cultura do algodao. Boletim da Diretoria de Produçao 1(1): 39-44, illus., tables. Oct.1934. (Published by Joao Pessoa, Parahyba, Brazil)

Data on cotton culture.

Instructions to farmers to plant cotton, to use one variety and the best seed, and to use farm machinery, with figures showing the advantage of doing so, are given.

Empire cotton growing corporation. Progress reports from experiment stations, season 1933-1934. 151pp., tables, charts. London, Empire Cotton Growing Corp., 1935.

The preface states that it has been decided, hereafter, "to issue two separate publications,

one to be a small volume intended primarily for the Corporation's own members and the general public, consisting of a general review in non-technical language so far as possible, of the work of each of the Experiment Stations for the previous seasons"; the other to contain progress reports from each station. This publication is the latter.

Farias, Carlos. Cuidados indispensaveis á produçao de sementes de algodao para o plantio. Algodao 2(1): 23-24. Jan. 1935. (Published at Cx. Postal 1321, Rio de Janeiro, Brazil)

Steps necessary to the production of cotton seed for planting.

Hale, G. A. The A B C's of profitable cotton growing. Ga. Expt. Sta. Press Bull. 410, 1p., mimeogr. Experiment. 1935.

Ten recommendations for improving cotton culture are given.

Hawkins, R. S. Four bales an acre! Water penetration given main credit for record yields at U. of A. farm. Ariz. Prod. 14(1): 17. Mar. 15, 1935. (Published at Phoenix, Ariz.)

Holloman, L. C. Delinting cottonseed with sulphuric acid. Mid-S. Cotton News 12(8): 3. Mar. 1935. (Published at 822 Falls Bldg., Memphis, Tenn.)

"A machine for delinting with sulphuric acid has now come on the market."

India. Central Provinces and Berar. Department of agriculture. Annual reports on experimental farms: Nagpur, Akola, Adhartal, Chhindwara, Po-warkhera and Raipur for the year ending the 31st March 1934. 116pp., illus., tables. Nagpur, [India], Govt. Print., C.P., 1934.

Includes reports of development of cotton cultivation on these farms.

India. Central Provinces and Berar. Department of agriculture. Report on demonstration work carried out in the Eastern circle, together with reports on the seed and demonstration and cattle-breeding farms of the circle for the year ending the 31st March 1934. 44pp., illus., tables. Nagpur, [India], Govt. Print., C.P., 1934.

Cotton is one of the crops grown on these demonstration farms.

India. Central Provinces and Berar. Department of agriculture. Report on demonstration work carried out in the Northern circle, together

with reports on the seed and demonstration and cattle-breeding farms of the circle for the year ending the 31st March 1934. 8Opp., tables. Nagpur, [India], Govt. Print., C.P., 1934.

Cotton is one of the crops grown on these demonstration farms.

Kime, P.H. Results of cotton variety experiments, 1930-1934. N.C. Agr. Expt. Sta. Agron. Info. Circ. 92, 4pp., tables, mimeogr. State College Station, Raleigh. 1935.

A table of "Variety recommendations for North Carolina, based upon field experiments" is included.

Methods followed to "improve staple length and quality of North Carolina cotton" included education and advice by the agricultural agencies of the state, distribution of large amounts of good seed of recommended varieties, and establishment of one-variety communities.

Milcs, G.F. Cottonseed treatment increases stands, yields and profits. Cotton and Cotton Oil News 36(12): 19, illus. Mar. 23, 1935. (Published by Ginnor & Miller Publishing Co., 3116-3118 Commerce St., Dallas, Tex.)

An account of the advantages, economy, and simplicity of dusting cottonseed before planting to prevent seed decay and sore shin or damping off.

Morocco. Direction générale de l'agriculture, du commerce et de la colonisation. Expérimentation agricole 1932-1933. Rapport annuel. Centralisation, interprétation et présentation des résultats de l'expérimentation, par M. Miege. 93pp., tables, mimeogr. [Casablanca, 1932].

Cotton, pp. 76 bis-82.

Cotton cultivation experiments were carried on at the Central Station of Rabat, at Sidi-Slimane, and at Dar-Ould Zidouh.

Sherard, Hoyt. A comparison of calcium cyanamid with other standard sources of nitrate on corn and cotton on Coastal plain soils. Com. Fert. 50(3): 9-11, 32. Mar. 1935. (Published by Walter W. Brown Publishing Co., 255 Ivy St., Atlanta, Ga.)

Smith, H.C. Ginners can help improve cotton staple. Oil Miller and Cotton Ginner 45(6): 6. Feb. 1935. (Published at 161 Spring St., N.W., Atlanta, Ga.)

Improvement of staple length in Alabama is advocated.

Sushko, E.S. Soil crusts in cotton fields. Moscow: Vsesoiuznyi nauchno-issledovatel'skii institut udobrenii i agropochvovedenia, imeni K.K. Gedroistsa. Proceedings of the Leningrad department (34): 17-26, tables. 1934. (Published at Leningrad, U.S.S.R.) In Russian.

"Mech. cementation of the surface soil, poor in org.matter, with CaCO<sub>3</sub> is responsible for certain types of crusts. Soils subjected to the influence of Na. salts attain a solonetz formation on the surface which also gives rise to crusts. Chem. methods of decreasing the dispersion (gypsum addns. and addn. of organic matter) are effective in preventing crust formation.-J.S.Joffre."-Chem. Abs. 28(22): 7393. Nov. 20, 1934.

Svec, M.M. The dry lands of Sind and Western Rajputana in northwestern India. Jour. Geogr. 34(2): 45-60, illus., tables. Feb. 1935. (Published by A.J. Nystrom, 3333 Elston Ave., Chicago, Ill.)

Cultural methods in the cotton area of Sind are briefly described, pp. 54-55.

Tisdale, H.B. Cotton, corn varieties. Prog. Farmer (Ga.-Ala.ed.) 50(3): 13, tables. Mar. 1935. (Published at 821 North Nineteenth St., Birmingham, Ala.)

Cotton variety tests in four sections of Alabama are reported.

Ware, J.O. Opportunities for improving the quality of cotton. Com. Fert. 50(3): 20, 22-24, 26, 28. Mar. 1935. (Published by Walter W. Brown Publishing Co., 255 Ivy St., Atlanta, Ga.)

Willis, L.G. The value of gypsum as a supplement to a concentrated fertilizer. N.C. Agr. Expt. Sta. Bull. 200, 9pp., illus. College Station. 1934.

Chiefly experiments with cotton.

Young, V.H. Why do we get poor stands of cotton? Mid-So. Cotton News 12(8): 4. Mar. 1935. (Published at 822 Falls Bldg., Memphis, Tenn.)

"Damping off" or "sore shin disease" due to reduced resistance of the sub-tropical cotton plant to soil fungi when wet weather follows early spring planting, especially in hard-baked or heavy soggy soils, and such seed-borne diseases as angular leaf spot and anthracnose are given as reasons for poor stands of cotton. Remedies are suggested.

Diseases

King, C.J., and Hope, Claude. Field practices affecting the control of cotton root knot in Arizona. U.S. Dept. Agr. Circ. 337, 13pp., illus., tables. Washington, D.C. 1934.

The effects of crop rotation with alfalfa, of clean fallowing, and of early irrigations at Sacaton, Arizona, are discussed.

King, C.J., Eaton, E.D., and Hope, Claude. Catalase activity in relation to age and viability of sclerotia of the cotton root-rot fungus. Jour. Agr. Research [U.S.] 49(10): 897-902, illus., table. Nov. 15, 1934. (Published by the United States Department of Agriculture, Washington, D.C.)

Bibliographical foot-notes.

Literature cited: pp. 901-902.

Kulkarni, G. S. Studies in the wilt disease of cotton in the Bombay presidency. Indian Jour. Agr. Sci. 4: 976-1048, illus. Dec. 1934. (Published by Imperial Council of Agricultural Research, Delhi, India)

References: pp. 1044-1045.

Insects

Liu, Hwch-si. Notes on the life history of the cotton locust, Cyrtacanthacris rosea (De Geer) (Orthop., Locustidae). Ent. and Phytopathology 3(2): 32-33. Jan. 11, 1935. (Published at Hang-chow, China)

In Chinese.

Metalnikoff, S.S. Emploi des huiles végétales, des substances répulsives et d'autres produits chimiques dans la lutte contre le ver rose du cotonnier. Cotton et Culture Cotonnière 9(fasc. 2): 67-80. Aug. 1934. (Published at 34, Rue Hamelin, Paris (16<sup>e</sup>), France)

Use of vegetable oils, repellent substances, and other chemical products in the struggle against the pink bollworm of the cotton plant.

Farm Engineering

Carlson, Oliver. The revolution in cotton. Amer. Mercury 34(134): 129-136. Feb. 1935. (Published at 730 Fifth Ave., New York, N.Y.)

Description of Rust Brothers mechanical cotton picker, and a discussion of the social and economic implications involved in large scale production and

use of this invention.

Extracts in Reader's Digest 26(155): 13-16.  
Mar. 1935.

Starov, P.V. "Water regime" (irrigation) and the dynamic development of cotton. 117pp., illus., tables, charts. Moskva [etc.] 1934.

In Russian.

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At head of title: Sredneaziatskii nauchno-issledovatel'skii institut po khlopkovodstvu (NikhI). Ak-Kavakskaya tsentral'naia agrotehnicheskaya stantsiya.

### Farm Management

Krinitzki, B.A., and Sapil'nikov, N.G. Organization of agricultural work on cotton state farms. 95pp., tables. Moskva [etc.] 1934.

In Russian.

At head of title: Sredneaziatskii nauchno-issledovatel'skii institut po khlopkovodstvu... Sektor organizatsii i ekonomiki krupnogo sotsialisticheskogo khozaiia stva.

Schoffelmayer, V.H. Diversification needed on farms. Tex. Weekly 11(11): 4-6. Mar. 16, 1935. (Published at Dallas Athletic Club Bldg., Dallas, Tex.)

"Address delivered at the Cotton Crisis Conference, held...in Dallas and sponsored by the Institute of Public Affairs of Southern Methodist University," January 31-February 1, 1935.

"Balanced agriculture not only would provide more stable economic system but would preserve fertility of soil."

### Farm Social Problems

Ashburn, K.E. Reforms needed in tenant system. Tex. Weekly 11(12): 4-6. Mar. 23, 1935. (Published at Dallas Athletic Club Bldg., Dallas, Tex.)

"Southern share cropper lives at lowest level of subsistence of any American laborer." Conditions are discussed, and remedies suggested.

Bankhead, J.H. Tenants buy farms. South. Agr. 65(3): 4, 27, illus. Mar. 1935. (Published at 1523 Broadway, Nashville, Tenn.)

To be continued.

The Senator from Alabama describes aid in the purchase of farms for tenants on relief, and proposes action to aid those not on relief, yet financially unable to buy farms at present.

Gard, Wayne. Decline in the cotton kingdom. I.-The planters' prospects. Current Hist. 42(1): 31-36. Apr. 1935. (Published at 10 Ferry St., Concord, N.H.)

The author discusses the present world cotton situation and government policy from the planters' viewpoint. He mentions the recent development of a cotton picking machine.

El gobernador del Chaco Dr. Castells se ha ocupado del problema de la falta de braceros para la cosecha de algodón. Gaceta Algodonera 11(132): 14-15. Jan. 31, 1935. (Published at Casilla Correo 550, Reconquista 331, Buenos Aires, Argentina)

The governor of Chaco, Dr. Castells, has concerned himself over the problem of the lack of day-labor for the cotton harvest.

Thomas, Norman. The decline in the cotton kingdom. II.- Victims of change. Current Hist. 42(1): 36-41. Apr. 1935. (Published at 10 Ferry St., Concord, N.H.)

The effect of AAA policies on cotton farm laborers is discussed.

Wallace, H. A. The problem of farm tenancy. Cotton Digest 7(23): 7-8. Mar. 16, 1935. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

Testimony of Secretary Wallace before the Senate Committee on Agriculture and Forestry, on the Bankhead Tenancy Bill, March 5, 1935.

#### Cooperation in Production

Bryan, A. B. One-variety cotton production pays. Cotton [Atlanta] 99(3): 40-50, illus. Mar. 1935. (Published by W. R. C. Smith Publishing Co., Atlanta, Ga.)

A study of the success of three South Carolina communities which co-operated in growing one variety of cotton, and of unsatisfactory results in a community in which some of the farmers used seed "classed as 'run-down' or varieties producing 7/8-inch staple or less, the other farmers using several pure or mixed improved varieties." Advantages of one-variety production are summarized.

Smith, H. C. One variety communities. Oil Miller and Cotton Ginner 46(1): 9. Mar. 1935. (Published at 161 Spring St., N.W., Atlanta, Ga.)

Thirteen advantages of one-variety communities are listed.

PREPARATIONGinning

Bennett, C.A. Mechanical progress in cotton ginning to 1884. Cotton and Cotton Oil News 36(12): 12-14, illus., table. Mar. 23, 1935. (Published by Ginner & Miller Publishing Co., 3116-3118 Commerce St., Dallas, Tex.)

A brief chronological account of inventions and the development of ginning apparatus from Eli Whitney in 1794 to Eleazer Carver in 1844.

Bostick, E.H. History of Gullett gin. Cotton and Cotton Oil News 36(12): 22. Mar. 23, 1935. (Published by Ginner & Miller Publishing Co., 3116-3118 Commerce St., Dallas, Tex.)

"An address... before the Rotary Club, February 19, 1935, by... president of the Gullett Gin Company."

Copied from The Amite, La., Progress.

Killough, D.T. Improved ginning and its relation to the spinning value of cotton. Cotton and Cotton Oil News 36(12): 30-31, illus. Mar. 23, 1935. (Published by Ginner and Miller Publishing Co., 3116-3118 Commerce St., Dallas, Tex.)

Experiments at the Texas Agricultural Experiment Station over four years to determine optimum ginning conditions and causes of gin-cutting and other damage are described.

Origin of "gin." Oil Miller and Cotton Ginner 45 (6): 9. Feb. 1935. (Published at 161 Spring St., N.W., Atlanta, Ga.)

The word is said to come from "engine."

Rumsey, Oscar. Lummus announces 1935 line of improved gin equipment. Cotton and Cotton Oil News 36(12): 50, illus. Mar. 23, 1935. (Published by Ginner & Miller Publishing Co., 3116-3118 Commerce St., Dallas, Tex.)

A description of the new improved conveyor distributor, and mention of other equipment introduced by the Lummus Cotton Gin Company.

MARKETINGGeneral

Black, J.D. The outlook for American cotton. Rev. Econ. Statis. 17(3): 68-78. Mar. 15, 1935. (Published by the Harvard Economic Society, Inc., Cambridge, Mass.)

Topics discussed are production trends in competing countries; recent changes in world cotton acreage; effects of currency depreciation; land resources; effect of changes in the textile situation; restriction of output in the United States; relation of acreage restriction to exports; effects of cotton loans on exports; future A.A.A. policy.

Brazil's cotton raids America's markets. Do our cotton farmers risk losing their export markets to new Brazilian production? Authorities differ, but Brazil has exported large quantities this year and Europe has snapped it up. Price differentials are important. Conditions in Brazil. The effect of coffee prices on cotton production. Sphere 15(3): 29-31, table. Mar. 1935. (Published by Whaley-Eaton Publishing Corp., Munsey Bldg., Washington, D.C.)

Table shows value of United States exports of cotton gins and gin parts to Brazil, 1924-1934.

Cotton trade trends. Prices up 43 per cent--our exports declined while world used more foreign cottons--domestic consumption and spindle activity--world crop estimates. Amer. Wool & Cotton Rept. 49(7): 23-24, tables. Feb. 14, 1935. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.)

Review of the cotton trade for 1934.

Hutton, J.H. TCA head discusses trade problems in annual address. Cotton Trade Jour. 15(11): 1, 2, 3, illus. Mar. 23, 1935. (Published at 810 Union St., New Orleans, La.)

Address before Twenty-fourth Annual Convention of the Texas Cotton Association, Corpus Christi, Texas, March 22, 1935.

Also in Cotton Digest 7(24): 6, 8, 10-11, illus. Mar. 23, 1935.

Indian cotton facts [15th] 1934. Cotton crops, acreage receipts, exports, prices, etc., cotton & piece goods and Indian mill industry, etc. Compiled by Cotton Department, Toyo Menka Kaisha, Ltd. 225 pp., illus., tables. Bombay [1934]

Mansfield, J.J. A New deal needed. Cotton Digest 7(22): 8-9. Mar. 9, 1935. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

The author discusses the present cotton situation and the plans proposed for a permanent policy.

From the Congressional Record (February 27, 1935, pp. 2753-2756) by the Representative, 9th Texas District.

Satyamandam, P. Cotton marketing. Indian Jour. of Econ. 15(3): 333-342. Jan. 1935. (Published by the Department of Economics and Commerce, University of Allahabad, Allahabad, India)

The writer sets forth in this article "the complaints made against the Indian marketing of cotton."

"The main features that militate against the ultimate success of Indian cotton are: excessive leaf, bad ginning, mixing, heavy density of bales, and want of proper grading and marking."

#### Demand and Competition

Atkins, H. E. Factors in textile export trade. A general outline of methods in developing export markets in textile goods. Textile Manfr. 60(719): 446-447. Nov. 1934. (Published by Emmott & Co., Ltd., 31 King St. West, Manchester, 3, England)

"Abstract of an address, 'Fundamental Factors in Overseas Trade,' to the Bradford Textile Society, November 5," 1934.

Bell, W. R. Japan's threat...gaining foothold in domestic cotton goods market. Textile World 85(4): 652, tables. Mar. 1935. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

Blum, J. O. What the U. T. W. has done for me. Textile Bull. 47(26): 5-7, 27. Feb. 28, 1935. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N. C.)

A statement of the former secretary of the South Carolina Federation of Textile Workers regretting his part in the strike.

[Bond, Richard] Annual meeting of members...Fourth presidential address. Manchester Chamber of Com. No. Rec. 46(2): 41-47. Feb. 28, 1935. (Published at Ship Canal House, King St., Manchester, England)

In this survey of the trend of trade in Lancashire, the outlook for the cotton trade is included.

Canada. Department of trade and commerce. Dominion Bureau of statistics. Census of industry. Report on the cotton textile industries in Canada, 1933. 65pp., tables, mimeogr. Ottawa, 1935.

Census drop checked by New Deal. Textile World (Ann. Rev. and Forecast No.) 85(3): 432, table, chart. Feb. 20, 1935. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

"Using 1914 as a base, 100, the number of establishments, number of wage-earners, wages paid, value of products and total number of units of product in the four major branches of the industry during each of the succeeding census years have been reduced by Textile World to index numbers." A chart showing these index numbers and a table giving the Census figures upon which the index numbers are based, are given.

China waste, not second-hand. Claim contentions made are unfair. Bedding Manfr. 30(2): 40-49, 52. Mar. 1935. (Published by the Better Bedding Alliance of America, 608 S. Dearborn St., Chicago, Ill.)

Reply to article, entitled "Chinese Cotton Waste, A Threat," in Bedding Manfr. 29(5): 34. Dec. 1934.

Como o Japao distribue o algodao que importa de outros paizes. A Companhia Mitsubishi recebe a maior parte do algodao norte americano. Algodo 2(1): 31-33, illus. Jan. 1935. (Published at Cx. Postal 1321, Rio de Janeiro, Brazil)

How Japan distributes the cotton which she imports from other countries. The Mitsubishi Company receives the greater part of North American cotton.

Deutschlands textilindustrie 1934. Im spiegel der beschäftigungs- und aussenhandelsstatistik. Spinner und Weber 53(7): 14, tables. Feb. 15, 1935. (Published at Gellertstrasse, 7/9, Leipzig, Germany)

German textile industry, 1934, as revealed by internal and export statistics.

Exit the sob-sister and enter the scientist in employer-employee relations. Textile World (Ann. Rev. and Forecast No.) 85(3): 424-425. Feb. 28, 1935. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

"In this relatively brief space, we have attempted to high-light some of the more important specific problems in textile industrial relations...Something can be started at once on all the four phases outlined in this article: Wages, work assignments, selection and training, employee representation."

Graham, J.A. What the U.T.W. of America did for me. Textile Bull. 48(2): 11. Mar. 14, 1935. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)

A former member of Local Union 1912 of the United Textile Workers of America states that his membership dues failed to bring him the promised benefits.

Hill, D.H. 1934 proved the textile industry could "take it." Textile Bull. 47(25): 7, 66. Feb. 21, 1935. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)

Review of the cotton textile situation for 1934.

Joint committee of cotton trade organisations.

Economic and statistical department. The changing conditions of world trade in cotton and rayon goods. 1. Introduction and survey of present trade distribution. 10pp., tables. Manchester [England], 1935.

Lamport and Lawton employes co-operate. Amer. Wool and Cotton Repr. 49(8): 26, 29-30. Feb. 21, 1935. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.)

Report of the annual meeting of officials, stockholders and employees of Lawton mills, February 13, 1935, at which employer-employee relationships were discussed.

The Lamport plan to help rebuild cotton goods export trade. Permanent cotton policy suggested by O'Donnell. The Lamport plan is practical way to use surplus. Amer. Wool & Cotton Repr. 49(9): 20, 26. Feb. 28, 1935. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.)

Plans submitted by S.C. Lamport and J.J. O'Donnell to the Senate Committee on Agriculture are summarized.

Loper, R.E. Cost break-down shows percentage relationships of major items. Textile World (Ann. Rev. and Forecast No. )85(3): 428-429, table, charts. Feb. 28, 1935. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

The author shows by means of "pie-charts" the relationship between various items of cost for certain representative yarns and fabrics.

McLaurine, W.M. Looking down the corridors of 1935. Textile Bull. 47(25): 14, 55, illus. Feb. 21, 1935.

(Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)

Outlook for the cotton textile industry.

Mancunian. Grade mixing in Indian. Manchester Guardian Com. 30(765): 134. Feb. 15, 1935. (Published at 3, Cross St., Manchester, England)

The author comments on the report of the Master Spinners' Federation regarding the ability to use Indian cotton in Lancashire. "This depends on various factors. There is the question of price, suitability of fibre for the production of certain cloths, the adaptability of machinery to the fibre, and so on. There is also the question of whether the future of Lancashire lies with the cheaper cloths or with the more expensive."

Mill production declines. Fibre and Fabric 88(2612): 14, chart. Feb. 23, 1935. (Published by Wade Publishing Co., 465 Main St., Kendall Square, Cambridge, Mass.)

"Production of cotton mills in New England has shown a distinct downward trend since 1922, according to a chart of activity in this section, prepared by the New England Council."

Nose-dive taken by cotton-textile industry in year of trials. Textile World (Ann. Rev. and Forecast No. 85(3): 443-447, illus., tables, charts. Feb. 29, 1935. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

A review of 1934.

Pierce, C.R. The near future of ramie. Manfrs. Rec. 104(3): 28, 60, illus. Mar. 1935. (Published at Commerce and Water Sts., Baltimore, Md.)

"The near future of ramie in this country depends upon three things, agricultural production cheaply and in quantity; practical and workable degumming processes; and delivery of a spinnable product at a comparatively low price."

Potwin, Marjorie. Speaking of discrimination. Textile Bull. 48(1): 5, 20. Mar. 7, 1935. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)

The author makes a plea for more discrimination in the discussion of labor conditions, stating that there is too much generalization.

Smith, H.C. Is King Cotton doomed? Oil Miller and Cotton Ginner 46(1): 3-5. Mar. 1935. (Published at 161 Spring St., N.Y., Atlanta, Ga.)

Competition of foreign growths and of synthetic fibers is considered.

Southern textile mills add much equipment in 1934.  
 Textile Bull. 47(25): 12-13, 56-57, tables. Feb. 21, 1935. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)  
 Clark's annual spindle increase list.

Spinners' annual reports. Views of the Federation and Bolton masters. Textile Weekly 15(364): 213-214, illus. Feb. 22, 1935. (Published at 49 Deansgate, Manchester, 3, England)

"The Federation of Master Cotton Spinners' Associations hold their annual meeting to-day. The Bolton Master Cotton Spinners' Association held their meeting on February 15. Extracts from the speech of Mr. Catterall, and from the reports of the year's work, are given."

Synthetic fiber substitutes for cotton. Farm and Ranch 54(5): 19. Mar. 1, 1935. (Published at 3306 Main St., Dallas, Tex.)

A discussion of limiting factors and possibilities in the use of Vistra, Sniaticco and rayon as cotton substitutes.

Thompson, S.E. Internal textile developments in 1934 and 1935. Textile Bull. 47(25): 10-11, 54-55, table, charts. Feb. 21, 1935. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)

"As we review the year just passed and the expectations for 1935, one fact, irrespective of political or other external factors, stands out with great prominence, namely: Efforts toward cost reduction in manufacturing, improvements in distribution methods, and product developments are essential for progress."

Uncertainty governed 1934. Cotton goods market during first full year under code finds profits by some, losses to many--irregular conditions aggravated by labor unrest--fear of legislative enactments. Amer. Wool & Cotton Repr. 49(7): 21-22, 47, 49. Feb. 14, 1935. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.)

United States Federal trade commission. The textile report. Part II: The cotton textile industry. 31 pp., tables, mimeogr. Washington, D.C., [1935]

Summary in Textile Bull. 48(2): 4, 6, 30. Mar. 14, 1935.

Vechsler, M.J. Chilean textile industry. Com. Intel. Jour. 52(1619): 196-197. Feb. 9, 1935. (Published

by the King's Printer, Government Printing Bureau, Ottawa, Ontario, Canada)

"The centre of the Chilean woollen and cotton textile industry is at Concepción, 354 miles south of Santiago...At the beginning of 1934 there were six large cotton textile mills in Chile, which in 1933 produced 5,533,000 square metres of cotton cloth."

The Washington conference. Fibre and Fabric 88(2613): 8, illus. Mar. 2, 1935. (Published by the Wade Publishing Co., 465 Main St., Kendall Square, Cambridge, Mass.)

"Restoration of the once flourishing New England textile industry through strengthened foreign markets, cheaper power rates, elimination of existing wage differentials and a universal 48-hour one-shift week was recommended in Washington, D.C., this week by a conference of New England Governors, Congressmen, manufacturers and heads of various textile associations."

What? No record? 1934 a dull affair compared with the low and high of 1932 and 1933. Textile World (Ann. Rev. and Forecast No.) 85(3): 420-421, table, charts. Feb. 28, 1935. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

Annual review of the textile industry for 1934 showing that no high or low records were set.

Who won the textile strike? Econ. Forum 2(4, sect. 2): 475-494. Winter, 1935. (Published at 51 Pine St., New York, N.Y.)

This consists of two articles presenting two viewpoints. The first is by Brent Dcw Allinson, pp. 475-484; the other is by Prince M. Carlisle, pp. 485-495.

### Supply and Movement

Brazil now fears U.S. monopoly. Com. and Finance 24 (13): 274. Mar. 27, 1935. (Published by the Com-fine Publishing Corp., 95 Broad St., New York, N.Y.)

"A member of the Chamber of Deputies at Rio de Janeiro...called on the chamber to pass a bill that would forestall the 'passing of our cotton industry into the hands of Americans,' who are importing cottonseed and bale packing machinery into São Paulo.

Briggs, F.A. Percentages may mean much or little. Farm and Ranch 54(5): 11. Mar. 1, 1935. (Published at 3306 Main St., Dallas, Tex.)

The author discusses the possible increases in foreign cotton production.

Butler, Eugene. Proposed cotton plans. Prog. Farmer (Tex. ed.) 50(3): 4, 49, 52. Mar. 1935. (Published at 1104 Insurance Bldg., Dallas, Tex.)

A discussion of domestic allotment plans, with emphasis on the McDonald plan. The Clair, Anderson-Clayton, and King plans are mentioned.

Clark, David. Cotton growing in Brazil. Textile Bull. 47(25): 27, 42, tables. Feb. 21, 1935. (Published by Clark Publishing Co., 113 West Fourth St., Charlotte, N. C.)

Tables give acreage, production, yield, price, and consumption of cotton in Brazil for recent years. The author acknowledges "the assistance of the Division of Statistical and Historical Research, of the U.S. Bureau of Agricultural Economics, in securing the data for this article."

India. Central provinces & Berar. Department of land records. Season and crop report of the Central Provinces and Berar for the year ending the 31st May 1934. 37pp., tables. Nagpur, India, Govt. Print. C.P., 1934.

Cotton acreage and yields, pp. 5, 7, 26, 34, 36.

India. Indian central cotton committee. Exports by sea of Indian raw cotton classified by varieties. 1933-34 season. India. Indian Central Cotton Com. Statis. Leaflet 4, (1933-34), 4pp., table. Bombay. 1934.

India. Indian central cotton committee. Receipts at mills in India of raw cotton classified by varieties. 1933-34 season. India. Indian Central Cotton Com. Statis. Leaflet 3, (1933-34), 5pp., tables. Bombay. 1934.

India. Indian central cotton committee. Report on the staple length of the Indian cotton crop of 1933-34 season. India. Indian Central Cotton Com. Statis. Leaflet 1, (1933-34), [3pp.], table. Bombay. 1934.

"A new departure in Indian statistics. In view of the increased interest shown in the problem of marketing Indian cotton the Indian Central Cotton Committee have published this report to enable a clear idea to be obtained of India's contribution to the world's requirements of cotton of varying staple lengths." - Empire Cotton Growing Rev. 11(4): 321. Oct. 1934.

India. Indian central cotton committee. Stocks of Indian raw cotton held in India by the mills and the trade on 31st August 1934. India. Indian Central Cotton Com. Statis. Leaflet 2, (1933-34), 5pp., tables. Bombay. 1934.

Lyra, Juvencio. O Brasil e a situação mundial do algodão. Algodoão 1(2): 11-14, tables, charts. Dec. 1934. (Published at Cx. Postal 1321, Rio de Janeiro, Brazil)

Brazil and the world cotton situation. (1929-30 to 1933-34)

McDonald, J.E. McDonald domestic allotment cotton plan. Cotton and Cotton Oil News 36(12): 48-49, illus. Mar. 23, 1935. (Published by Ginner & Miller Publishing Co., 3116-3118 Commerce St., Dallas, Tex.)

McDonald, J.E. Planning ahead for agriculture. Cotton Digest 7(24): 16-17. Mar. 23, 1935. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

The Commissioner of Agriculture of Texas outlines his domestic allotment plan for cotton.

Manchurian cotton production expanding. Foreign Crops and Markets 30(9): 217-219. Mar. 4, 1935. (Published by the United States Department of Agriculture, Bureau of Agricultural Economics, Foreign Agricultural Service, Washington, D.C.)

"American cotton growers need feel no immediate concern over the attempts being made to expand cotton production in Manchuria, according to a report to the Foreign Agricultural Service from Agricultural Commissioner C.L. Dawson at Shanghai... The result of an investigation by Mr. Dawson indicates that even if Manchuria should be able to make herself entirely self-sufficing for cotton within the next fifteen years, which is the objective set by the government, the total quantity of cotton involved would not be sufficient to exert any significant influence on the demand for American cotton in the Orient."

Matlock, R.L. Arizona cotton quality. Improvement in grade and staple length through 1934-35 ginning season. Ariz. Prod. 13(24): 6-7. Mar. 1, 1935. (Published at Phoenix, Ariz.)

O algodão. Boletim de Agricultura, Zootechnica e Veterinaria 7(9): 163-164. Sept. 1934. (Published by the Secretaria da Agricultura, Viaçac, e Obras Publicas, State of Minas Geraes, Brazil)

Cotton.

A summary of the current situation showing

increased production for the country and the states of Minas Geraes and Sao Paulo.

Survey shows that American cotton is not degenerating. Textile World 85(4): 650. Mar.1935. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

The quality of the 1934 crop is compared with the crops of 1931,1932 and 1933.

Xavier, Raphael. Posição econômica do algodão. Algodão 2(1): 10-12, illus., tables. Jan.1935. (Published at Cx. Postal 1321,Rio de Janeiro,Brazil)

Economic position of cotton.

Review of world cotton production since 1924, and Brazilian prospects.

### Prices

[Scheuer & Co.] 1934 price history of standard print cloth. Rayon and Melland Textile Mo. 16 (3): 142,table. Mar.1935. (Published by Rayon Publishing Corp., 303 Fifth Ave., New York,N.Y.)

Slater, W.H. Forecasting raw cotton prices. VII.-- The use of percentages for Method "B." Textile Weekly 15(367): 291-292,294,tables. Mar.15, 1935. (Published at 49 Deansgate,Manchester,3, England)

### Marketing and Handling Methods and Practices

La cámara algodonera de Bs. As. hizo conocer las modificaciones propuestas sobre los boletos, de compra de algodón en bruto, semilla y fibra. Gaceta Algodonera 11(132): 11-12. Jan.31,1935. (Published at Casilla Correo 550, Reconquista 331,Buenos Aires,Argentina)

The Buenos Aires Cotton Chamber made known the proposed modifications for the standard forms of contract for the purchase of seed cotton, seed, and lint.

Changes voted in New York contract. Cotton Digest 7(23): 12-13. Mar.16,1935. (Published at 702 Cotton Exchange Bldg.,Houston,Tex.)

Report of a meeting of the New York Cotton Exchange at which several contract changes were considered, including the reduction of the number of southern delivery points, call cotton, number

of notice and delivery days, and membership of spot firms in the New York Cotton Exchange Clearing Association.

[New Orleans spot cotton merchants association.]  
 New Orleans merchants suggest contract changes.  
*Cotton Trade Jour.* 15(11): 1,3. Mar. 23, 1935.  
 (Published at 810 Union St., New Orleans, La.)  
 Report of a special committee headed by C.P. Geren.

[Parker, Walter] Contract change harmful to U.S. cotton. *Cotton Digest* 7(24): 28. Mar. 23, 1935.  
 (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

"The decision of members to change the Liverpool Cotton Association contract, so that deliveries against the contract may be made in cottons other than United States grown cotton is significant," Walter Parker, economist, pointed out this week." Mr. Parker is quoted.

Revere, C.T. Cotton and the future contract system. 11pp. New York, Munds, Winslow & Potter, [1935]  
 The philosophy, economic objectives, and a brief history of the future contract system are given, followed by presentation and refutation of common criticisms.  
 Also in *Acco Press* 13(3): 1-4. Mar. 1935.

Rotterdam cotton association. Report...presented at the annual general meeting of the members, held November 28th, 1934. 10pp., tables, mimeogr. [Rotterdam, 1934]

#### Services and Facilities

Association provides facilities for selling cotton on its merits. *Tex. Co-op. News* 15(3): 2. Mar. 1, 1935. (Published at 1100 South Ervay St., Dallas, Tex.)

Harper, F.H. Reporting on the quality of the farmer's cotton. *Carolinianas* 3(4): 11-12, 23-24, 32, illus. Mar. 1935. (Published at 324 South Church St., Charlotte, N.C.)

The work of the Grade and Staple Statistics Section of the United States Department of Agriculture is described.

Interior classing and assembling office system established during 1930-31 season by Texas association. *Tex. Co-op. News* 15(3): 4. Mar. 1, 1935. (Published at 1100 South Ervay St., Dallas, Tex.)

The classing service offered by the Texas Cotton Co-operative Association is described.

Wright, J. W. Use of the official cotton standards of the United States (In sales to domestic mills)... A preliminary report. 22pp., tables, <sup>multi</sup> Washington, D.C., United States Department of Agriculture, Bureau of Agricultural Economics, 1934.

"For the season 1930-31 domestic cotton mills described 68 percent of their purchases of raw cotton by reference to the official standards of the United States for grade, and 48 percent of all purchases were based on the official standards for length of staple. Approximately 50 percent of the mills that consumed cotton of staple lengths to which the tentative standards for preparation of long-staple cotton were applicable based their purchases on these standards."

### Marketing Costs

Anderson, W. D. Shall unfair freight rates kill southern industry? 22pp., tables. [Atlanta, 1935]

Freight rates on cotton and on piece goods between southern and northern points.

Tavares, H.A. Odysséa de um producto. Algodao 2(1): 27-29, table. Jan. 1935. (Published at Cx. Postal 1321, Rio de Janeiro, Brazil)

The Odyssey of a product.

Discussion of freight rates and export tariffs on Brazilian cotton.

Vermischtes. Gebührenordnung der Überwachungsstelle für Baumwolle. Spinner und Weber 53(7): 14-17, table. Feb. 15, 1935. (Published at Gellertstrasse, 7/9, Leipzig, Germany)

Schedule of charges for cotton inspection.

### Cooperation in Marketing

Aumentó su labor de desmotado de algodón la cooperativa agrícola algodonera de Margarita Belén.

Gaceta Algodonera 11(132): 21-22, table. Jan. 31, 1935. (Published at Casilla Correo 550, Reconquista 331, Buenos Aires, Argentina)

To be continued.

The Farmers' Cotton Cooperative of Margarita Belen increased its ginning business [in 1933-1934]

Can cotton growers cooperate? Staple Cotton Rev. 13 (2): 1-3. Feb. 1935. (Published at Greenwood, Miss.)

Experiences of the Staple Cotton Cooperative Association and the Staple Cotton Discount Corporation are reviewed to show that cotton growers can cooperate.

Hathcock, J. S. Progress of cooperative cotton marketing in South Carolina. Special message to annual county membership meetings in session on May 26th, 1934. Cotton Co-op. of So. Carolina 4(4): 2-3. Sept.-Oct., 1934. (Published at 626 Divine St., Columbia, S. C.)

Stewart, A. D. What co-operation stands for. Tex.

Grower and Valley Farmer 7(12): 6. Mar. 1935.

(Published at P. O. Box 230, Corpus Christi, Tex.)

Definite advantages already achieved by cotton cooperatives are listed and further objectives are discussed.

United States Farm credit administration. Cooperative Division. Publications issued by farmers' marketing and purchasing associations, revised to March 1, 1935. 15 ed., 14pp. Washington, D. C., 1935.

Publications of cotton cooperatives are included.

### UTILIZATION

#### Fiber, Yarn, and Fabric Quality

Ashton, H. "Fibro"--Viscose staple fibre. Production and processing on cotton machinery. Textile Inst. Jour. 26(2): Pl6-P21, illus., tables, charts. Feb. 1935. (Published at 16 St. Mary's Parsonage, Manchester, 3, England)

Report of an address at meeting of the Textile Institute, Manchester, November 9, 1934.

"Fibro" is compared with cotton as to the effect of staple length on yarn strength.

Bobrov, P. Cellulose; action of superheated steam on. Textile Inst. Jour. 26(1): A57. Jan. 1935. (Published at 16 St. Mary's Parsonage, Manchester, 3, England)

"According to the experiments described, cellulose decomposes in steam well below 275° C." -C.

From Jour. Appl. Chem. (U. S. S. R.) 6: 1105-1110.

1933; through Chem. Abs. 28: 3890. 1934.

Champetier, G. Combinaisons d'addition de la cellulose avec l'eau ou avec la soude. Chimie & Industrie 31 (Numéro Spécial) (Treizième Congrès de Chimie Industrielle): 814-818, table, chart. Apr. 1934. (Published at 49, Rue des Mathurins, Paris, 8<sup>e</sup>, France)

Bibliography: p. 818.

Combinations from the addition of cellulose with water or sodium.

"Reference is made to a method for determining the moisture relations of cellulose by studying

the ternary system cellulose-water-sodium thiosulphate, from which the author calculates the amount of water fixed by the  $\text{C}_6\text{H}_{10}\text{O}_5$  group. According to a table this varies from 0.5 mol. for cotton and ramie to about 1 mol. for the fully mercerised fibre or 1.1 mol. for cotton after swelling in cuprammonium.-C."-Textile Inst.Jour. 26(1): A39. Jan.1935.

Davis, W., and Buckley, G.H. Temperature of abrasion in knitted fabrics. Textile Inst.Jour.26(2): T71-T76, charts. Feb.1935. (Published at 16 St. Mary's Parsonage, Manchester, 3, England)

Fabrics of wool, silk and cotton were tested.

Elöd, E., Schmid-Bielenberg, H., and Thoria, L. Zur Kenntnis des acetylierungsvorganges von cellulosefasern. Angewandte Chemie 47(25): 465-468, charts. June 23,1934. (Published by Verlag Chemie, G.m.b.H., Corneliusstr. 3, Berlin W35, Germany)

"The velocity of acetylation of dry cellulosic fibres increases in the order, cotton, ramie, hemp, and flax, i.e., with increasing orientation of the micelles. Acetylation is not entirely a micro-heterogeneous reaction, but with dry or air-dried fibres a macroheterogeneous reaction also occurs, and the progress of acetylation depends upon the arrangement of the intra-micellar interstices which varies from fibre to fibre. By increasing the degree of swelling prior to esterification, the reaction is of the heterogeneous micellar type and differences in the velocity of esterification of the dry fibres become less apparent. Films of maximum tensile strength are obtained from cellulosic fibres containing 20% water, but no definite increase in tensile strength has been observed in the case of fibres swollen with acetic acid.-E.L."-Soc. Dyers and Colourists Jour. 50(10): 334-335. Oct.1934.

Kanamaru, Kisou. Über das lichtbrechungsvermögen der cellulose und ihrer Derivate. I. Der Einfluss von nativen, nicht-celluloseartigen Begleitstoffen auf das lichtbrechungsvermögen von cellulosefasern. Helvetica Chimica Acta 17(5): 1047-1066, tables, charts. [Oct.1,] 1934. (Published by Georg & Co., Basle and Geneva, Switzerland)

Bibliographical foot-notes.

On the refractive index of cellulose and its derivatives. I. The influence of natural non-cellulosic substances on the refractive

index of cellulose fibers.

"The author has studied the effect of foreign substances, as shown by increasing purification, on the refractive index of hemp, jute, ramie, straw, and bamboo fibers. It is shown that the relative volume of cellulose present in the fibres bears a simple relationship to the refractive index, so that the purity of cellulose can be optically determined. The axial inclination of the cellulose micelles is affected by the degree of purification, since the intermicellar substance is dissolved away and the fibres tend to become more parallel. The refractive index in the longitudinal direction rises with increasing purity, but sinks in the transverse direction.-C."-Textile Inst.Jour.26(1): A39. Jan.1935.

Kanamaru,Kisou. Über das lichtbrechungsvermögen der cellulose und ihrer Derivate. II. Die beeinflussungen von cellulosefasern durch oxydation und hydrolyse. Helvetica Chimica Acta 17(5): 1066-1072, table, charts. [Oct.1,] 1934. (Published by Georg & Co., Basle and Geneva, Switzerland)

#### Bibliographical foot-notes.

On the refractive index of cellulose and its derivatives. II. The effects of oxidation and hydrolysis on cellulose fibers.

Kazet. Über die veränderung des naturfarbstoffes der makobaumwolle durch chemikalien. Spinner und Weber 52(43): 8. Oct.26,1934. (Published at Gellertstrasse 7/9, Leipzig, Germany)

On the variation of coloring matter in Egyptian cotton by use of chemicals.

"When Egyptian cotton is required in its natural colour the impurities should be removed by suitable washing treatments. Alkalies and soap-like agents affect the colouring matter in the raw cotton. On treatment with alkalies Egyptian cotton turns redder and sometimes acquires a violet tinge which does not change on subsequent washing. After-treatment with acids causes a change to an orange or yellowish shade. Formic and acetic acids are recommended for this treatment. The colours obtained in this way are perfectly fast to water.-C."-Textile Inst. Jour.26(1): A40. Jan.1935.

Klinger,Jacques. Die textilmikroskopischen untersuchungen in der praxis. 93pp., illus., tables. Wien, Sallmayersche,1934.

Textile microscopic research in practice.

"This small booklet appears to be a collaboration of microscopic technique suitable for applied textile microscopic research. According to the

table of contents, the following principal discussions are included: 1. The longitudinal section; 2. Cloth testing; 3. The cross section; 4. Polarization microscopy; 5. Dark field and ultra-microscopy; 6. Microprojection and tracing; 7. Microphotography. Part II contains a discussion of the microscope and special accessories, discussion of laboratory technique and reagents, and finally a large number of photomicrographs of various types of textile fibers." - C.M.C.

Laikov, V.V. Soviet cottons: quality and utilisation. Textile Inst. Jour. 26(1): A2. Jan. 1935. (Published at 16 St. Mary's Parsonage, Manchester, 3, England)

"Studies were made of the spinning qualities of a number of the best improved cotton varieties grown in the U.S.S.R. First the Lower Egyptian cottons of the Pima type are considered, various samples of each variety grown under different conditions being compared one with the other. The Upper Egyptian types are next considered, including Ashmouni and similar cottons, followed by the Uplands, then the varieties with medium staple, considered in order of their earliness. The observations show that by transplanting it is possible to grow high quality Egyptian varieties in the region to Tashkent, Pima selections spinning as high as 120 counts. For spinning 50's and 60's the long stapled Uplands are as good as the Egyptians and are, from the cultivator's point of view, superior. The variety Triumph Navrotskii was variable but spun 40's and so still deserves attention. The spinning data for the different varieties in 1928 and 1929 are tabulated in the original." - C."

From Publications N.I.T.I.: 80-11. 1932.

Mark, H. Viscosité et poids moléculaire. Chimie & Industrie 31 (Numéro Spécial) (Treizième Congrès de Chimie Industrielle): 783-791, tables, charts. Apr. 1934. (Published at 49 Rue des Mathurins, Paris, 8<sup>e</sup>, France)

Viscosity and molecular weight.

Mathieu, M. Remarques sur quelques précautions à prendre dans la mesure du poids moléculaire des dérivés cellulosaques. Chimie & Industrie 31 (Numéro Spécial) (Treizième Congrès de Chimie Industrielle): 792-796. Apr. 1934. (Published at 49 Rue des Mathurins, Paris, 8<sup>e</sup>, France)

Remarks on some precautions to take in the measurement of molecular weight of cellulosic derivatives.

A new type of cotton yarn. *Textile Weekly* 15(366): 272, illus. Mar. 8, 1935. (Published at 49 Deansgate, Manchester, 3, England)

"The yarn has to go through no special process except in the spinning department, but here it is produced bulkier for the same counts, much softer than ordinary cotton, is stronger, and has more sheen."

Röhrich, Olivier. *Nouvelles recherches sur les caractères technologiques de la fibre de coton rigidité et filabilité.* Coton et Culture Cotennière 9 (fasc. 2). 81-98, illus., tables, charts. Aug. 1934. (Published at 34, Rue Hamelin, Paris (16<sup>e</sup>), France)

Bibliographical references, pp. 97-98.

New research studies on the technological properties of cotton fibre rigidity and spinning quality.

Savage, R.H. The absorbency of surgical cotton wool. *Soc. Chem. Indus. Jour. (Ann. Survey No.)* 53(50): 379T-382T, tables. Dec. 14, 1934. (Published at Central House, 46, Finsbury Square, London, E.C.2, England)

Bibliographical foot-notes.

"(1) The greasy material found on absorbent cotton wool consists mainly of fatty acids, with a fairly large proportion of unsaponifiable matter (wax alcohols etc.). This substance is present in ordinary samples of cotton wool in quantity large enough to cover the fibres completely, and probably does so after a short time. Absorbency is not thereby necessarily lost. (2) The mechanism of wetting is discussed and three types are distinguished." -Summary.

Comment in *Textile Colorist* 57(675): 169. Mar. 1935.

Saxl, I.J. An evenness tester. *Textile Inst. Jour.* 26(2): T77-T82, illus. Feb. 1935. (Published at 16 St. Mary's Parsonage, Manchester, 3, England)

References: p. T82.

An instrument for testing the evenness of yarn is described.

Schwarz, E.R. The new textile technology. *Amer. Dyestuff Repr.* 24(3): 69-73, illus. Feb. 11, 1935. (Published by Howes Publishing Co., 440 Fourth Ave., New York, N.Y.)

Paper presented at the Annual Meeting, December 8th, 1934, of the American Association of Textile Chemists and Colorists.

Brief survey of recent technological studies of textile fibers. Problems for future investigation are mentioned.

Staudinger, H. Ueber hochpolymere verbindungen. 92. Mitteilung. Ueber die konstitution der cellulose. Cellulosechemie 15(5): 53-59, illus., tables, chart. May 6, 1934. (Published by Otto Elsner Verlagsgesellschaft m.b.H., Oranienstrasse 140-142, Berlin, S42, Germany)

To be continued.

Bibliographical foot-notes.

Highly polymerized compounds. Communication 92. Constitution of cellulose.

"S. states his views and exptl. results in the following divisions: I., micelles or mols., in a cellulose soln.; II, viscosity investigations on synthetic high polymers; III, viscosity measurements of cellulose acetates; IV, mol.wt.of cellulose; V, cellulose nitrate. S. concludes (a) that the colloidal nature of cellulose solns. can only be understood after the mol.wt. and structure of cellulose are detd. (b) that x-ray investigations cannot be used in detn. of the mol.wt.of cellulose; (c) that the remarkable properties of cellulose are functions of the mol.wt. and mol.form; and (d) that a new means is available for detn.of mol.wt. by use of viscosity measurements."--Chem. Abs. 28(21): 6999. Nov.10, 1934.

Thom, Charles, Humfield, Harry, and Holman, H.P.

Laboratory tests for mildew resistance of cut-door cotton fabrics. Amer. Dyestuff Repr. 23(22): 581-586, illus., tables. Oct.22,1934. (Published by Howes Publishing Co., 440 Fourth Ave., New York, N.Y.)

References: p.586.

"Some of the tests for mildew resistance reported in the literature are reviewed. A procedure for testing strips of cloth designed for outdoor use is described in which the cloth is washed free from water-soluble antiseptics, inoculated with a culture of Chaetomium, and the tensile strength of the strips is tested after 14 days incubation. Tables of results on ducks and awning cloths are given."--C. --Textile Inst.Jour.26(1): A44. Jan.1935.

### Technology of Manufacture

Ballard, Hugh. Some notes on combing. Textile Bull. 48(3): 11,31, illus. Mar.21,1935. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)

"In this first article, a brief history of combers in the order of their appearance on the market is followed by a few observations on their care."

Bean, Percy. Damaged fabrics. Some causes occurring in the various stages of processing. Textile

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Pew, F.V. Comfortable beds. Iowa Extens. Serv. Home Econ. [Pub.] 8pp. Ames. 1933.

Characteristics of good cotton mattresses, sheets, and pillowcases are discussed.

Schwab, R.W. What happened to relief mattresses.

Bedding Manfr. 30(2): 50-52. Mar. 1935. (Published by the Better Bedding Alliance of America, 600 S. Dearborn St., Chicago, Ill.)

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#### COTTONSEED AND COTTONSEED PRODUCTS

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The cottonseed oil industry in Argentina and Brazil.

Bertino, Joaquim. Possibilidades para a industria de oleo de algodao. Algodoao 1(2): 17. Dec. 1934. (Published at Cx. Postal 1321, Rio de Janeiro, Brazil)

Possibilities for the cottonseed oil industry.

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Holton, J. C. Creating cottonseed consciousness. Cotton Oil Press 18(10): 25-26. Feb. 1935. (Published at Memphis, Tenn.)

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Holton, J. C. 'Knocks' boost interest in hull bran. Cotton Oil Press 18(11): 13-14. Mar. 1935. (Published by National Cottonseed Products Assn., Inc., Memphis, Tenn.)

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Miller, H. G. Effect of cottonseed meal on stability of vitamin A in cod liver oil. Oil & Soap 12(3): 51-52, table, chart. Mar. 1935. (Published by the Gillette Publishing Co., 400 W. Madison St., Chicago, Ill.)

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"A paper presented at the 8th fall meeting of

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"As a result of this investigation, one may conclude that cottonseed meal, in addition to providing certain nutritive constituents in a mixed ration, can also function in preserving the vitamin A content when the latter is introduced as cod liver oil, and that it is desirable to premix the cod liver oil and the cottonseed meal in order to obtain the full advantage of this preservative effect."

Satō, M., Inaba, T., and Kitagawa, K. On the alcohol extraction process of fatty oils. III. Extraction of cottonseed oil. Soc. Chem. Indus., Japan, Jour. (Sup. Binding) 38(2): 50B, chart. Feb. 1935. (Published at Yuraku Bldg., Marunouchi, Tokyo, Japan)

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#### LEGISLATION, REGULATION, AND ADJUDICATION

American cotton cooperative ass'n. protests enactment of motor and water carrier acts. Miss. Co-op News 6(3): 2. Mar. 1935. (Published at 236-1/2 E. Capitol St., Jackson, Miss.)

"Memorandum of the American Cotton Cooperative Association in opposition to Bills HR 5262, cited 'Motor Carrier Act 1935', HR 5379 and Senate 1632, cited 'Water Carrier Act 1935,' which have been introduced in Congress to regulate motor trucks, inland waterway carriers, foreign shipping," submitted by L. D. Estes, General Traffic Manager of the American Cotton Cooperative Association. Increase of rates is feared.

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by the usage of trade have been recognized as piece-goods liable to assessment to import duty."

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The authors discuss... the present cotton situation from the point of view of the South's purchasing power and conclude that "the cotton industry will receive no long term increase in purchasing power...The moral of this analysis is to concentrate immediate sales campaigns in the cotton sections...and not to be too sanguine about the follow-up possibilities in the future."

Baker,W.C. Is cotton ginning interstate or intra-state? Cotton and Cotton Oil News 36(12): 47. Mar.23,1935. (Published by Ginner & Miller Publishing Co., 3116-3118 Commerce St., Dallas, Tex.)

Letter giving the writer's opinion that ginning is a strictly intrastate business, and that it is, therefore, unconstitutional for the federal government to make gins responsible for the collection of taxes and the necessary paper work under the Bankhead Act.

Bermuda. Foreign textile quotas. Gt.Brit.Board of Trade Jour.134(1993): 255. Feb.14,1935. (Published by H.M. Stationery Office, Adastral House, Kingsway, London, W.C.2,England)

"A Proclamation made by the Governor under the Importation of Textiles (Quotas) Act,1934, the text of which is reproduced."

Burton,C.S. The trend of commodities. Foreign production menaces our cotton markets. Mag. Wall St.55(11): 624-625,649-650. Mar.16,1935. (Published at 90 Broad St., New York, N.Y.)

A discussion of the cotton policy of the Agricultural Adjustment Administration.

Castells,J.C.,and Llano,J.R. El descuento del peso de la bolsa al colono en el momento de la entrega del algodón. El Ministerio de agricultura estudia la forma de reglamentar la forma práctica para evitar las justas reclamaciones de los agricultores. Gaceta Algodonera 11(132): 20-21. Jan.1935. (Published at Casilla Correo 550, Reconquista 331,Buenos Aires,Argentina)

The discount to the producer from the weight of the bale upon delivery of the cotton. The Ministry of Agriculture is studying the method of regulating the customary practice in order to escape the just complaints of the farmers.

Cobb, C.A. Instructions for 1935 for the 1934 and 1935 cotton acreage adjustment plan under the Agricultural adjustment act, for use by extension workers, county committeemen and community committeemen. U.S. Dept. Agr. Agr. Adjustment Admin. Cotton Prod. Sect. Cotton [Form] 105, 37pp., tables, chart. Washington, D.C. 1935.

Co-ops protest elimination of processing tax.  
Miss. Co-op News 6(8): 1. Mar. 1935. (Published at 236-1/2 E. Capitol St., Jackson, Miss.)

The processing tax is favored as a "kind of tariff protection" for farmers, which "should be continued as a permanent part of our government program" with "a domestic allotment plan as a substitute for the present rental program."

Cotton. Production control and world markets.  
Index 15(3): 45-51, tables. Mar. 1935. (Published by the New York Trust Co., 100 Broadway, New York, N.Y.)

The effect of government policies on the present market situation is discussed.

Cotton production records for 1934 being determined.  
Miss. Co-op News 6(8): 1. Mar. 1935. (Published at 236-1/2 E. Capitol St., Jackson, Miss.)

In the determination of cotton production, illegal transfers of Bankhead certificates result in reduction of the 1934 production records of the purchaser of such certificates and of the county in which he lives "unless proof of such illegal transfers is submitted to the cotton division of the Agricultural Adjustment Administration."

Cotton shippers would destroy co-ops. Hoenberg, president of cotton shippers appears against co-op cotton trade, carries fight against co-ops to Washington. Miss. Co-op News 6(7): 1, 4. Feb. 1935. (Published at 236-1/2 E. Capitol St., Jackson, Miss.)

Comment on testimony before the United States Senate Committee on Agriculture and Forestry and the United States House Committee on Agriculture during February is given.

Cox, A.B. Evaluating the cotton program. Tex. Weekly 11(8): 7-9. Feb. 23, 1935. (Published at McKinney at Fairmount, Dallas, Tex.)

Address at Institute of Public Affairs at Southern Methodist University, January 31 - February 1, 1935.

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Cyprus. Foreign textile quotas. Gt. Brit. Bd. Trade Jour. 134(1932): 222. Feb. 7, 1935. (Published by H.M. Stationery Office, Adastral House, Kingsway, London, W.C. 2, England)

"The Cyprus Gazette" of December 28, 1934, contains a copy of a Proclamation (No. 1364) made by the Governor under the Importation of Textiles (Quotas) Law, 1934, the text of which is reproduced."

Eagle, J.H. A congressman gives warning and a suggestion. Cotton and Cotton Oil News 36(12): 44. Mar. 23, 1935. (Published by Ginner & Miller Publishing Co., 3116-3118 Commerce St., Dallas, Tex.)

A brief summary of the purposes and achievements of the Agricultural Adjustment Administration and Bankhead Acts, reasons why the author opposes their permanent continuation, and an outline of his bill, H.R. 5579, to substitute a domestic allotment plan as a permanent cotton law.

Edmonds, J.E. The goose hangs high---yet. Country Gent. 105(4): 5-6, 80, 81, 83, 107. Apr. 1935. (Published at Independence Square, Philadelphia, Pa.)

The Government's cotton program of acreage restriction and cotton loans brought good times to some in the South during the past year but others have not fared so well, i.e., seaport dock workers, cottonseed oil mills, handlers of freight, ginners, cotton pickers and many tenants and share-croppers. Relief rolls have expanded. Competing foreign acreages of cotton have also expanded. The writer questions "How long will the millions--for idleness, for want, for things not grown and things not sold--hold out? And to what, if not to the idle acres, will the Southerners of countryside and seaport and market town turn in place of export cotton?"

Garside, A.H. Must King Cotton abdicate? Savings Bank Jour. 15(11): 5-6, 55. Jan. 1935. (Published

at 274 Madison Ave., New York, N.Y.)

The author discusses the government cotton policy and the competition of foreign growths.

[Harmon, S.M.] Anticipating promulgation of code.

Cotton Oil Press 18(10): 27-29. Feb. 1935. (Published at Memphis, Tenn.)

"Address by [the] National Secretary...at January meeting of the Tri-State Superintendents."

The history of attempts to formulate a code for the cottonseed crushing industry is reviewed.

Hauhart, W.F. Our disregard of economic laws. Tex. Weekly 11(12): 7-9. Mar. 23, 1935. (Published at Dallas Athletic Club Bldg., Dallas, Tex.)

"Address at the Cotton Crisis Conference, held... in Dallas and sponsored by the Institute of Public Affairs of Southern Methodist University," January 31 - February 1, 1935.

A gradual lowering of tariffs is advocated to increase world trade.

Kahle, H.V. Regimentation of industry. Cotton and Cotton Oil News 36(9): 5, 12. Mar. 2, 1935. (Published by Ginner & Miller Publishing Co., 3116-18 Commerce St., Dallas, Tex.)

Analyses of bills introduced to amend the Agricultural Adjustment Act, showing their effect upon the ginning and oil milling industry.

[McDaniel, C.E.] Status of cottonseed products rate case, following denial by I.C.C. of Texas and Oklahoma mills' petition for restoration of former rates. Cotton Oil Press 18(10): 13. Feb. 1935. (Published at Memphis, Tenn.)

Letter to editor of Cotton Oil Press regarding the petition filed by the author with the Interstate Commerce Commission for reopening "Docket No. 17,000, Part 8, Cottonseed, Its Products and Related Articles."

McFadden, J.H., Jr. Uncle Sam takes cotton for a ride. Natl. Sphere 15(4): 24, 29. Apr. 1935. (Published at the Munsey Bldg., Washington, D.C.)

"Halcyon profits blind eyes of planters to loss of markets, as more primitive countries, with unlimited lands, begin to reap a harvest. There are no allies in the world economic war and those who lag will be destroyed. Millions have already lost their means of livelihood."

MacNamee, W.B. Kleberg oleo bills will help ginners. Cotton and Cotton Oil News 36(12): 61. Mar. 23, 1935. (Published by Ginner & Miller Publishing Co., 3116-3118 Commerce St., Dallas, Tex.)

By placing a ten cent per pound tax on all margarine made from foreign oils and fixing standards of excellence for the product, the measures aim to "place the entire margarine industry on a domestic fats basis," thus stimulating "consumption of cottonseed and all other domestically produced oils," and protecting the American producer of edible oils "from the undercutting competition of foreign oils."

Marshall, Hunter, jr. Eighteen months under the processing tax. Carolinas 3(4): 25-26. Mar. 1935. (Published at 324 South Church St., Charlotte, N.C.)

Molyneaux, Peter. Economic nationalism and the cotton crisis. Tex. Weekly 11(9): 4-8. Mar. 2, 1935. (Published at McKinney at Fairmount, Dallas, Tex.)

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An announcement of regulations under the Bankhead Act.

1935 cotton program regulations, state Bankhead allotments issued. Cotton and Cotton Oil News 36(10): 4, 12-13, table. Mar. 9, 1935. (Published by the Ginner & Miller Publishing Co., 3116-3118 Commerce St., Dallas, Tex.)

An announcement of regulations under the Agricultural Adjustment Act and of forms to be sent to the field and used in compliance with the Agricultural Adjustment and Bankhead Acts.

Patch, B.W. Cotton exports and crop reduction. Editorial Research Reports 2(14): 243-259, tables. Oct. 12, 1934. (Published at 1503 Twenty-first St., N.W., Washington, D.C.)

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A study of the agricultural adjustment program and Bankhead control, including a brief history of United States acreage and production from the time of the Civil War, with emphasis on the period from 1921 to date. The effects of recent high prices and acreage reduction on American cotton exports are discussed, and examples from the experiences of the British and Brazilian governments in their attempts to restrict production of rubber and coffee are given.

Poe, Clarence. The Bankhead Act and democracy.

South Atlantic Quart. 33(4): 321-333, tables, chart. Oct. 1934. (Published by Duke University Press, Durham, N.C.)

The author thinks the Bankhead Act represents the extension of democracy to new frontiers. He urges equality for agriculture in limiting production.

La ricostruzione industriale Americana e il codice per l'industria cotoniera. Bollettino della Cotoniera 30(1): 3-8. Jan. 1935. (Published at Via Borgonuovo 11, Milan, Italy)

American industrial reconstruction and the code for the cotton industry.

Smith, H. C. AAA and the Bankhead Bill. Oil Miller and Cotton Ginner 45(6): 3-5. Feb. 1935. (Published at 161 Spring St., N.W., Atlanta, Ga.)

The effect of these acts on ginners is discussed.

Taylor, A. S. Tariff adjustments needed. Cotton Digest 7(24): 18-19. Mar. 23, 1935. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

Taylor, F. V. Cotton bagging too costly. Oil Miller and Cotton Ginner 45(6): 5. Feb. 1935. (Published at 161 Spring St., N.W., Atlanta, Ga.) Comment on the Fulmer "Net Weight Bill."

United States Congress. House. Committee on agriculture. Amend cotton control act. Hearing... Seventy-fourth Congress, first session, on H.R. 5578 (H.R. 6424), February 20, 21, 22, 25, 1935. Serial D. 105pp., tables. Washington, D.C., U.S. Govt. Print. Off., 1935.

Hearing on amendments to the Bankhead Act.

Statements of C.A. Cobb, Chief, Cotton Production Section, Agricultural Adjustment Administration, Hon. Wall Doxey, Representative from the

State of Mississippi; T.L.Gaston, Regional Consultant, Cotton Production Section, Agricultural Adjustment Administration; Alger Hiss, attorney, Solicitor's Office, Department of Agriculture; John C.Thompson, secretary, Texas Cotton Ginners Association, Dallas, Tex.; and Hon.Orville Zimmerman, Representative from the State of Missouri, are included.

Extracts in Cotton Ginners' Jour. 6(6): 5-6,10,12-19. Mar.1935.

United States Congress. Senate. Committee on agriculture and forestry. Causes of the loss of export trade and the means of recovery. Hearings...Seventy-fourth Congress, first session...January 30, 31, February 1, 2, 4, 5, 6, and 7, 1935. 599pp., tables, chart. Washington, D.C., U.S. Govt. Print. Off., 1935.

Statements relating to cotton were made by the following: Hon.Henry A.Wallace, secretary of agriculture, pp.2-29; Hon.Daniel C.Roper, secretary of commerce, pp.29-35; Hon.Cordell Hull, secretary of state, pp.37-53; Dr.Rexford G.Tugwell, undersecretary of agriculture, pp.54-79; Oscar Johnston, manager, 1933 Cotton Producers' Pool, pp.82-110; Bernard Gelles, manager, cotton and wool department, W.R.Grace & Co., New York City, pp.110-118; F.P.Lordan, chairman of the Houston and Galveston division of the Cotton Industries Employees Association, Houston, Tex., pp.119-134; A.E.Hohenberg, president American Cotton Shippers Association, Memphis, Tenn., pp.134-142; Alston H.Garside, economist of the New York Cotton Exchange, pp.142-156; George B.Coate, representing the Little Rock Cotton Exchange, Little Rock, Ark., pp.156-158; George N.Peek, special adviser to the President on foreign trade, and president of the Export-Import banks, pp.177-205; H.G.Safford, cotton merchant, New Orleans, La., representing the New Orleans Cotton Exchange and the New Orleans Export Merchants Association; pp.205-227; W.L.Clayton, representing the Houston Cotton Exchange, Houston, Tex., pp.327-347; Robert M.Harriss, representing Harriss & Vose, New York City, pp.347-353; Samuel C.Lamport, president of the Lamport Export Co., and chairman of the Board of the National Department Stores, New York City, pp.354-359; John J.Sample, vice president, Guaranty Trust Co., New York, N.Y., pp.359-361; C.A.Cobb, chief, Cotton Section, Production Division, Agricultural Adjustment Administration, pp.361-368; J.E.McDonald, secretary of agriculture, state of Texas, pp.417-429; J.Joseph O'Donnell, sales manager Fricrson & Co., Inc., cotton merchants and exporters, New York, N.Y., pp.429-438; Leslie Harriss, member New York Cotton Exchange, New York City, pp.438-444; Francis J.Clair,

engineer and economist, Department of the Interior, pp. 450-456; F.A. Delgado, Philippine resident commissioner, pp. 457-463; William R. Meadows, cotton registrar, Chicago Board of Trade, Chicago, Ill., pp. 463-477; Earl Harding, representing the Committee for the Nation, New York City, pp. 478-499; Henry G. Lauten, New York, N.Y., director of the Textile Export Association of the United States, pp. 499-507; Francis B. Sayre, assistant secretary of state, pp. 569-590; William C. Planz, Textile Export Association of the United States, New York, N.Y., pp. 590-594.

United States Department of agriculture. Agricultural adjustment administration. Administrative rulings applicable for 1935 to the 1934 and 1935 cotton acreage adjustment plan. Rulings nos. 1 to 30. U.S. Dept. Agr. Agr. Adjustment Admin. Cotton [Form] 106, 14pp. Washington, D.C. 1935.

[United States Interstate commerce commission] Hoch-Smith cottonseed. Traffic World 55(8): 329. Feb. 23, 1935. (Published at 418 S. Market St., Chicago, Ill.)

"With a view to making a uniform relation between rates, cottonseed and its products, on the basis of which reparation was awarded, and the rates for the future, the Commission, in a supplemental report on reconsideration in No. 22752, Armour & Co. et al. vs. A.T. & S.F. et al., has modified the finding in the original report herein, 201 I.C.C. 393."

United States. Laws, statutes, etc. Cotton futures act with amendments and laws relating to cotton. Compiled by Elmer A. Lewis, Superintendent Document Room, House of Representatives. 69pp. Washington, D.C., U.S. Govt. Print. Off., 1934.

Contents include: United States Cotton Futures Act and amendments; United States Cotton Standards Act and amendments; Acts authorizing collection of grade and staple and other statistics, eradication of pink bollworm, investigation of new uses for cotton, cotton ginning investigations, distribution of cotton by the American National Red Cross, increased classification facilities; the Bankhead Act and amendments; and extracts from the Agricultural Adjustment Act and amendments.

White, E.D. The government's cotton program. Cotton Digest 7(21): 7-10. Mar. 2, 1935. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

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The program developed under the Agricultural Adjustment Act and the Bankhead Act is described.

Whiteside, A. D. Textile mills can revive their traditional prosperity. *Textile World (Ann. Rev. and Forecast No.)* 85(3): 422. Feb. 28, 1935. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

The author advocates further development of self-regulation under the codes.

Wooton, Paul. New committee for textile planning formed in NRA. *Textile World* 85(4): 645. Mar. 1935. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

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Includes addresses by President T.M. Marchant, G.A. Sloan, and Robert V. Bruere, and reports of the Cotton Committee, the Traffic Committee, the Arkwrights, and the Committee on the Textile Foundation and the National Industrial Conference Board.

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Broughton, William. More co-operation needed between cotton spinners and manufacturers. *Textile Weekly* 15(364): 223-224. Feb. 22, 1935. (Published at 49 Deansgate, Manchester, 3, England)

"A lecture to the Preston Mill Managers' Association, February 1, 1935."

"In this paper I intend giving examples of buying and processing of cotton in spinning, and buying for processing of cotton yarns for weaving, etc. I shall confine my remarks to the cottons generally used to spin twist yarns for counts 30's to 100's."

Gerdes, F.L. The cotton ginning and fiber laboratories of the U.S. Department of agriculture, Stoneville, Mississippi. *Cotton and Cotton Oil News* 36(12): 38, 42, illus. Mar. 23, 1935. (Published by Ginner &

Killer Publishing Co., 3116-3118 Commerce St.,  
Dallas, Tex.)

India. Indian central cotton committee, Bombay. Annual report...for the year ending 31st August, 1934. 152pp., tables. Bombay, G. Claridge & Co., Ltd., 1935.

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